

**Safety Data Sheet (SDS)**

OSHA HazCom Standard 29 CFR 1910.1200(g) and GHS Rev 03.

Issue date 02/12/2016

Reviewed on 02/12/2016

*** 1 Identification**

- **Product Identifier**
- **Trade name:** Renegade Liquid Jet Wash Detergent
- **Relevant identified uses of the substance or mixture and uses advised against:**
For use in automatic style parts washers
- **Product Description** Liquid JetWash Detergent
- **Application of the substance / the mixture:** For use in automatic style parts washers
- **Details of the Supplier of the Safety Data Sheet:**
- **Manufacturer/Supplier:**
Service Line Inc.
2320 Zinga Drive
Reedsburg, WI 53959
Phone: 608-524-0204
Fax: 608-524-1446
www.renegadepartswashers.com
- **Emergency telephone number:** 1-800-228-5635 x054

*** 2 Hazard(s) Identification**

- **Classification of the substance or mixture:**



GHS07

Acute Tox. 4 H302 Harmful if swallowed.
Skin Irrit. 2 H315 Causes skin irritation.
Eye Irrit. 2A H319 Causes serious eye irritation.
STOT SE 3 H335 May cause respiratory irritation.

- **Label elements:**

- **GHS label elements**

The product is classified and labeled according to the Globally Harmonized System (GHS).

- **Hazard pictograms:**



GHS07

- **Signal word:** Warning

- **Hazard-determining components of labeling:**

Potassium Carbonate
Potassium Silicate
Potassium Hydroxide
Octenylsuccinic Acid
2-Propenoic acid, homopolymer sodium salt

- **Hazard statements:**

H302 Harmful if swallowed.
H315 Causes skin irritation.
H319 Causes serious eye irritation.
H335 May cause respiratory irritation.
H402 Harmful to aquatic life.

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Trade name: Renegade Liquid Jet Wash Detergent**Precautionary statements:**

- P261 Avoid breathing dust/fume/gas/mist/vapors/spray.
P271 Use only outdoors or in a well-ventilated area.
P280 Wear protective gloves.
P280 Wear eye protection / face protection.
P273 Avoid release to the environment.
P264 Wash thoroughly after handling.
P270 Do not eat, drink or smoke when using this product.
P305+P351+P338 If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P301+P312 IF SWALLOWED: Call a POISON CENTER/doctor if you feel unwell.
P321 Specific treatment (see supplementary first aid instructions on this Safety Data Sheet).
P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P332+P313 If skin irritation occurs: Get medical advice/attention.
P337+P313 If eye irritation persists: Get medical advice/attention.
P330 Rinse mouth.
P302+P352 IF ON SKIN: Wash with plenty of water.
P362+P364 Take off contaminated clothing and wash it before reuse.
P405 Store locked up.
P403+P233 Store in a well-ventilated place. Keep container tightly closed.
P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

Unknown acute toxicity:

19 % of the mixture consists of component(s) of unknown toxicity.

Classification system:**NFPA ratings (scale 0 - 4)**

Health = 1
Fire = 0
Reactivity = 0

HMIS-ratings (scale 0 - 4)

Health = 1
Fire = 0
Reactivity = 0

Hazard(s) not otherwise classified (HNOC): None known*** 3 Composition/Information on Ingredients****Chemical characterization: Mixtures****Description:** Mixture: consisting of non-regulated material.**Dangerous Components:**

CAS: 584-08-7	Potassium Carbonate	30-40%
RTECS: TS 7750000	⚠ Acute Tox. 4, H302	
CAS: 1312-76-1	Potassium Silicate	18-20%
	⚠ Eye Dam. 1, H318; ⚠ Skin Irrit. 2, H315; STOT SE 3, H335	
CAS: 1310-58-3	Potassium Hydroxide	8-11%
RTECS: TT 2102000	⚠ Skin Corr. 1A, H314; ⚠ Acute Tox. 4, H302	

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CAS: 28805-58-5	Octenylsuccinic Acid	7-10%
CAS: 9003-04-7	⚠ Skin Corr. 1C, H314; ⚠ Acute Tox. 4, H302; Acute Tox. 4, H312 2-Propenoic acid, homopolymer sodium salt	8-11%
CAS: 68603-25-8	⚠ Skin Irrit. 2, H315; STOT SE 3, H335; Eye Irrit. 2B, H320 Ethoxylated Propoxylated C8-C10 Alcohols	1-3%
CAS: 7632-00-0	⚠ Skin Irrit. 2, H315; Eye Irrit. 2B, H320 Sodium Nitrite	<1.0%
	⚠ Ox. Sol. 3, H272; ⚠ Acute Tox. 3, H301; ⚠ Aquatic Acute 1, H400 Alcohols, C8-10, ethers with polyethylene-polypropylene glycol monobenzyl ether	1-3%
	⚠ Acute Tox. 1, H300; Acute Tox. 3, H331; ⚠ Acute Tox. 4, H312	

4 First-Aid Measures

- **Description of first aid measures:**
- **General information:**
Immediately remove any clothing soiled by the product.
Symptoms of poisoning may occur after exposure to dust, fumes or particulates; seek medical attention if feeling unwell.
- **After inhalation:**
Supply fresh air. If required, provide artificial respiration. Consult doctor if symptoms persist.
In case of unconsciousness place patient stably in side position for transportation.
- **After skin contact:**
Immediately wash with water and soap and rinse thoroughly.
If skin irritation occurs, consult a doctor.
- **After eye contact:** Rinse opened eye for several minutes under running water. Then consult a doctor.
- **After swallowing:**
Immediately call a doctor.
Drink copious amounts of water and provide fresh air. Immediately call a doctor.
- **Information for doctor:**
- **Most important symptoms and effects, both acute and delayed:** No further relevant information available.
- **Indication of any immediate medical attention and special treatment needed:**
No further relevant information available.

5 Fire-Fighting Measures

- **Extinguishing media:**
- **Suitable extinguishing agents:**
CO₂, extinguishing powder or water spray. Fight larger fires with water spray or alcohol resistant foam.
- **Special hazards arising from the substance or mixture:** No further relevant information available.
- **Advice for firefighters:**
- **Protective equipment:**
As in any fire, wear self-contained breathing apparatus pressure-demand (NIOSH approved or equivalent) and full protective gear to prevent contact with skin and eyes.

6 Accidental Release Measures

- **Personal precautions, protective equipment and emergency procedures:**
Wear protective equipment. Keep unprotected persons away.
- **Environmental precautions:**
Inform respective authorities in case of seepage into water course or sewage system.
Dilute with plenty of water.
Do not allow to enter sewers/ surface or ground water.



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Trade name: Renegade Liquid Jet Wash Detergent**Methods and material for containment and cleaning up:**

- Ensure adequate ventilation.
- Use neutralizing agent.
- Absorb with liquid-binding material (i.e. sand, diatomite, acid binders, universal binders, sawdust).
- Dispose contaminated material as waste according to section 13.
- **Reference to other sections:**
 - See Section 7 for information on safe handling.
 - See Section 8 for information on personal protection equipment.
 - See Section 13 for disposal information.

7 Handling and Storage

Handling**Precautions for safe handling:**

- Ensure good ventilation/exhaustion at the workplace.
- Prevent formation of aerosols.
- **Information about protection against explosions and fires:** No special measures required.
- **Conditions for safe storage, including any incompatibilities:**
- **Storage**
 - Requirements to be met by storerooms and receptacles: No special requirements.
 - Information about storage in one common storage facility: Not required.
 - Further information about storage conditions: Keep receptacle tightly sealed.
 - Specific end use(s): No further relevant information available.

* 8 Exposure Controls/Personal Protection

- **Additional information about design of technical systems:** No further data; see section 7.

Control parameters:**Components with occupational exposure limits:**

1310-58-3 Potassium Hydroxide	
REL	Ceiling limit value: 2 mg/m ³
TLV	Ceiling limit value: 2 mg/m ³

- **Additional information:** The lists that were valid during the creation of this SDS were used as basis.

Exposure controls:**Personal protective equipment:****General protective and hygienic measures:**

- The usual precautionary measures for handling chemicals should be followed.
- Keep away from foodstuffs, beverages and feed.
- Immediately remove all soiled and contaminated clothing and wash before reuse.
- Wash hands before breaks and at the end of work.
- Avoid contact with the eyes and skin.
- **Breathing equipment:** Not required.
- **Protection of hands:**



Protective gloves

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation/ the preparation.
Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.

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Select glove material based on penetration times, rates of diffusion and degradation.

- **Material of gloves:**

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material cannot be calculated in advance and has therefore to be checked prior to the application.

- **Penetration time of glove material:**

The exact break-through time has to be determined and observed by the manufacturer of the protective gloves.

- **Eye protection:**



Tightly sealed goggles

* 9 Physical and Chemical Properties

- **Information on basic physical and chemical properties**

- **General Information**

- **Appearance:**

- **Form:**

Liquid

- **Color:**

Tan

- **Odor:**

Citrus

- **Odor threshold:**

Not determined.

- **pH-value:**

10.5 - 11

- **Change in condition**

- **Melting point/Melting range:**

Not determined.

- **Boiling point/Boiling range:**

201 °C (394 °F)

- **Flash point:**

None

- **Flammability (solid, gaseous):**

Not applicable.

- **Ignition temperature:**

Not determined

- **Decomposition temperature:**

Not determined.

- **Auto igniting:**

Product is not self-igniting.

- **Danger of explosion:**

Product does not present an explosion hazard.

- **Explosion limits:**

- **Lower:**

Not determined.

- **Upper:**

Not determined.

- **Vapor pressure:**

Not determined.

- **Density:**

- **Relative density:**

Not determined.

- **Vapor density:**

Not determined.

- **Evaporation rate:**

Not determined.

- **Solubility in / Miscibility with:**

- **Water:**

Fully miscible.

- **Partition coefficient (n-octanol/water):** Not determined.

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- **Viscosity:**
Dynamic: Not determined.
Kinematic: Not determined.
- **Solvent content:**
Organic solvents: 0.0 %
- **Solids content:** 48.3 %
- **Other information:** No further relevant information available.

10 Stability and Reactivity

- **Reactivity:** No further relevant information available.
- **Chemical stability:** Stable under normal conditions.
- **Thermal decomposition / conditions to be avoided:** No decomposition if used according to specifications.
- **Possibility of hazardous reactions:** No dangerous reactions known.
- **Conditions to avoid:** No further relevant information available.
- **Incompatible materials:** No further relevant information available.
- **Hazardous decomposition products:** No dangerous decomposition products known.

*** 11 Toxicological Information**

- **Information on toxicological effects:**
- **Acute toxicity:**

· LD/LC50 values that are relevant for classification:

584-08-7 Potassium Carbonate	
Oral	LD50 1870 mg/kg (rat)
1310-58-3 Potassium Hydroxide	
Oral	LD50 273 mg/kg (rat)
Inhalative	LC50/96 hours 80 mg/l (daphnia)
28805-58-5 Octenylsuccinic Acid	
Oral	LD50 >1410 mg/kg (rat)
Dermal	LD50 2370 mg/kg (rabbit)
9003-04-7 2-Propenoic acid, homopolymer sodium salt	
Oral	LD50 >2000 mg/kg (rat)
Dermal	LD50 >2000 mg/kg (rat)
68603-25-8 Ethoxylated Propoxylated C8-C10 Alcohols	
Oral	LD50 Oral 3800 ml/kg (rat) The product has a low acute toxicity
7632-00-0 Sodium Nitrite	
Oral	LD50 175 mg/kg (mouse) 157.9 mg/kg (rat)
Inhalative	LC50/96 hours 0.94-1.92 mg/l (Trout)

- **Primary irritant effect:**
- **On the skin:** Irritant to skin and mucous membranes.
- **On the eye:** Irritating effect.
- **Additional toxicological information:**
The product shows the following dangers according to internally approved calculation methods for preparations:

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Trade name: Renegade Liquid Jet Wash DetergentHarmful
Irritant

- **Carcinogenic categories:**
- **IARC (International Agency for Research on Cancer):**
None of the ingredients are listed.
- **NTP (National Toxicology Program):**
None of the ingredients are listed.
- **OSHA-Ca (Occupational Safety & Health Administration):**
None of the ingredients are listed.

12 Ecological Information

- **Toxicity:**
- **Aquatic toxicity:**
Avoid release into the environment. Runoff from fire control or dilution water may cause pollution.
- **9003-04-7 2-Propenoic acid, homopolymer sodium salt**
EC50 >100 mg/l (daphnia)
- **68603-25-8 Ethoxylated Propoxylated C8-C10 Alcohols**
EC50 8.7 mg/l (Trout)
12.61 mg/l (daphnia)
Method: OECD Test Guideline 202
internal evaluation
Harmful to aquatic invertebrates.

7632-00-0 Sodium Nitrite

EC50 12.5 mg/l (Water flea)

- **Persistence and degradability:** No further relevant information available.
- **Behavior in environmental systems:**
- **Bioaccumulative potential:** No further relevant information available.
- **Mobility in soil:** No further relevant information available.
- **Ecotoxicological effects:**
- **Remark:** Harmful to fish
- **Additional ecological information:**
- **General notes:**
Do not allow undiluted product or product that has not been neutralized to reach ground water, water course or sewage system.
Must not reach bodies of water or drainage ditch undiluted or unneutralized.
Harmful to aquatic organisms
- **Results of PBT and vPvB assessment:**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.
- **Other adverse effects:** No further relevant information available.

13 Disposal Considerations

- **Waste treatment methods:**
- **Recommendation:**
Must not be disposed of together with household garbage. Do not allow product to reach sewage system.
Observe all federal, state and local environmental regulations when disposing of this material.

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- **Uncleaned packagings**
- **Recommendation:** Disposal must be made according to official regulations.
- **Recommended cleansing agent:** Water, if necessary with cleansing agents.

*14 Transport Information

- **UN-Number:**
 - DOT, ADR, ADN, IMDG, IATA Non-Regulated Material
- **UN proper shipping name:**
 - DOT, ADR, ADN, IMDG, IATA Non-Regulated Material
- **Transport hazard class(es):**
 - DOT, ADR, ADN, IMDG, IATA Non-Regulated Material
- **Class:**
 - Packing group: Non-Regulated Material
- DOT, ADR, IMDG, IATA Non-Regulated Material
- **Environmental hazards:**
 - Special precautions for user: Not applicable.
- **Storage Category**
 - Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code: Not applicable.
- **UN "Model Regulation":**
 - Non-Regulated Material

*15 Regulatory Information

- **Safety, health and environmental regulations/legislation specific for the substance or mixture:**
- **SARA (Superfund Amendments and Reauthorization):**
- **Section 355 (extremely hazardous substances):**
 - None of the ingredients are listed.
- **Section 313 (Specific toxic chemical listings):**
 - 7632-00-0 Sodium Nitrite
- **TSCA (Toxic Substances Control Act):**
 - All ingredients are listed or exempt from listing.
- **California Proposition 65:**
- **Chemicals known to cause cancer:**
 - None of the ingredients are listed.
- **Chemicals known to cause reproductive toxicity for females:**
 - None of the ingredients are listed.
- **Chemicals known to cause reproductive toxicity for males:**
 - None of the ingredients are listed.
- **Chemicals known to cause developmental toxicity:**
 - None of the ingredients are listed.
- **New Jersey Right-to-Know List:**
 - 1310-58-3 Potassium Hydroxide
 - 7632-00-0 Sodium Nitrite
 - 25322-68-3 Polyethylene Glycol
- **New Jersey Special Hazardous Substance List:**
 - 1310-58-3 Potassium Hydroxide

CO, R1

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Trade name: Renegade Liquid Jet Wash Detergent**• Pennsylvania Special Hazardous Substance List:**

1310-58-3	Potassium Hydroxide	E
7632-00-0	Sodium Nitrite	E

• Carcinogenic categories:**• EPA (Environmental Protection Agency):**

None of the ingredients are listed.

• TLV (Threshold Limit Value established by ACGIH):

None of the ingredients are listed.

• NIOSH-Ca (National Institute for Occupational Safety and Health):

None of the ingredients are listed.

• GHS label elements

The product is classified and labeled according to the Globally Harmonized System (GHS).

• Hazard pictograms:

GHS07

• Signal word: Warning**• Hazard-determining components of labeling:**

Potassium Carbonate
Potassium Silicate
Potassium Hydroxide
Octenylsuccinic Acid
2-Propenoic acid, homopolymer sodium salt

• Hazard statements:

H302 Harmful if swallowed.
H315 Causes skin irritation.
H319 Causes serious eye irritation.
H335 May cause respiratory irritation.
H402 Harmful to aquatic life.

• Precautionary statements:

P261 Avoid breathing dust/fume/gas/mist/vapors/spray.
P271 Use only outdoors or in a well-ventilated area.
P280 Wear protective gloves.
P273 Wear eye protection / face protection.
P264 Avoid release to the environment.
P270 Wash thoroughly after handling.
P305+P351+P338 Do not eat, drink or smoke when using this product.
If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P301+P312 IF SWALLOWED: Call a POISON CENTER/doctor if you feel unwell.
P321 Specific treatment (see supplementary first aid instructions on this Safety Data Sheet).
P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P332+P313 If skin irritation occurs: Get medical advice/attention.
P337+P313 If eye irritation persists: Get medical advice/attention.
P330 Rinse mouth.
P302+P352 IF ON SKIN: Wash with plenty of water.



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P362+P364
P405
P403+P233
P501

Take off contaminated clothing and wash it before reuse.
Store locked up.
Store in a well-ventilated place. Keep container tightly closed.
Dispose of contents/container in accordance with local/regional/national/international regulations.

• National regulations:

The product is subject to be classified according with the latest version of the regulations on hazardous substances.

• Chemical safety assessment: A Chemical Safety Assessment has not been carried out.**16 Other Information**

The information and recommendations in this safety data sheet are, to the best of our knowledge, accurate as of the date of issue. Nothing herein shall be deemed to create warranty, expressed or implied, and shall not establish a legally valid contractual relationship. It is the responsibility of the user to determine applicability of this information and the suitability of the material or product for any particular purpose.

• Date of preparation / last revision: 02/12/2016 / 2**• Abbreviations and acronyms:**

ADR: The European Agreement concerning the International Carriage of Dangerous Goods by Road
ADN: The European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways
IMDG: International Maritime Code for Dangerous Goods
DOT: US Department of Transportation
IATA: International Air Transport Association
ACGIH: American Conference of Governmental Industrial Hygienists
EINECS: European Inventory of Existing Commercial Chemical Substances
ELINCS: European List of Notified Chemical Substances
CAS: Chemical Abstracts Service (division of the American Chemical Society)
NTPA: National Fire Protection Association (USA)
HMIS: Hazardous Materials Identification System (USA)
LC50: Lethal concentration, 50 percent
LD50: Lethal dose, 50 percent
PBT: Persistent, Bioaccumulative and Toxic
vPvB: very Persistent and very Bioaccumulative
NIOSH: National Institute for Occupational Safety
OSHA: Occupational Safety & Health
TLV: Threshold Limit Value
PEL: Permissible Exposure Limit
REL: Recommended Exposure Limit
Ox. Sol. 3: Oxidising Solids, Hazard Category 3
Acute Tox. 1: Acute toxicity, Hazard Category 1
Acute Tox. 3: Acute toxicity, Hazard Category 3
Acute Tox. 4: Acute toxicity, Hazard Category 4
Skin Corr. 1A: Skin corrosion/irritation, Hazard Category 1A
Skin Corr. 1C: Skin corrosion/irritation, Hazard Category 1C
Skin Irrit. 2: Skin corrosion/irritation, Hazard Category 2
Eye Dam. 1: Serious eye damage/eye irritation, Hazard Category 1
Eye Irrit. 2A: Serious eye damage/eye irritation, Hazard Category 2A
Eye Irrit. 2B: Serious eye damage/eye irritation, Hazard Category 2B
STOT SE 3: Specific target organ toxicity - Single exposure, Hazard Category 3
Aquatic Acute 1: Hazardous to the aquatic environment - Acute/Hazard, Category 1

• * Data compared to the previous version altered.SDS created by MSDS Authoring Services www.msdsauthoring.com +1-877-204-9106